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# FOLIO

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## 1979 Alberta Achievement Awards

On 10 November, in the Ballroom of the Calgary Inn, the Province of Alberta honored people who, during the past year or for a sustained period, have achieved distinction in national and international competition and who have served the people of this province, either through community involvement or in a variety of other ways, for example research and teaching. Among the people so honored were members of the University Community.

### *The Premier's Award for Excellence*

This award, the only one of its kind "for excellence," was awarded to C. Fred Bentley, Professor of Soil Science. The following is the citation which accompanied the award to Dr. Bentley.

"Dr. Bentley's contributions in the educational field have had a profound impact upon student training. In the Department of Soil Science at The University of Alberta, he set up new courses in soil classification, soil fertility and soil chemistry. As Faculty Dean he strongly influenced changes in the agricultural curriculum which led to a higher science content and more rigid promotion requirements. Programs were also widely expanded to include Agricultural Economics, Food Science, Pre-Veterinary Medicine and a Forestry program.

He carried out a very active research program in the area of soil fertility which has been a major factor in developing an awareness of the benefits of fertilizer application, now accepted by farmers across the province. He researched the

significance of sulphur deficiency on the amino acids composition of feeds, pioneering in the use of radio-tracer techniques for measuring sulphur uptake by plants. His work is regarded as classic in the area of sulphur research.

Dr. Bentley established the Alberta Agricultural Research Trust for the Faculty and this has greatly enhanced the quality of agricultural research in the province. He has played a very active role in improving the level of professionalism within the Agricultural Institute of Canada, the Canadian Society of Soil Science and the Alberta Institute of Agrologists.

Honored as a Fellow of the American Association for the Advancement of Science, the Agricultural Institute of Canada and the Canadian Society of Soil Science, he has over 53 professional publications to his credit which have greatly assisted in new management programs for Alberta farmers.

Dr. Bentley's great concern for the undernourished children of the world has resulted in a relentless attack on general public ignorance surrounding agronomic production and uncontrolled population growth. He has campaigned for the development and improvement of agronomic programs, practices and products of less developed countries and for the introduction of birth control education.

As a deeply respected agronomist and humanitarian, Dr. Bentley subscribes to the philosophy that responsibilities within the agronomy profession start with production from the soil—

and end with healthy, happy people fed on an adequate fully nutritional diet.

With courage, foresight and tenacity, Dr. Bentley has worked tirelessly to make rare and valuable contributions of great benefit to all of mankind."

### *Service Award Category*

#### *Jean Forest*

"Over the past ten years Mrs. Forest has been extremely active in a number of educational activities. She was trustee and Chairman of the Edmonton Separate School Board and member and President of the Alberta Separate School Trustees Association. She has served with distinction on the Senate of The University of Alberta and has been an active member of various community groups; the Women's Canadian Club, the Alberta Human Rights Commission and the Unified Canada Movement. In recognition of her many significant contributions in the field of Education, Mrs. Forest was named 1978 Citizen of the Year by the Alberta Teachers' Association Council of School Administration. On 1 July 1978 she became Chancellor of The University of Alberta."

#### *Eric Geddes*

During the past twenty years Mr. Geddes has devoted much of his time to the work of the Institute of Chartered Accountants of Alberta and the Council of the Canadian Institute of Chartered Accountants. He has served on the Provincial Institutes Committee on Education and Examinations and on the Council

of the Faculty of Commerce at The University of Alberta, as well as with a number of community organizations. With unselfish dedication he has made a significant contribution as a member of the Board of Governors of The University of Alberta (1973-75) and has fulfilled the demanding role of Chairman of the Board (1975-78).

### *Excellence Awards*

#### *Donald Buchanan*

"Dr. Buchanan has been largely responsible for the studies done in Alberta resulting in the greatly diminished incidence of RH disease in the newborn and in the development of safer blood transfusion practices in hospitals. Since 1949, Dr. Buchanan has been Medical Director of the Canadian Red Cross Transfusion Service in Edmonton and area, and has been responsible for establishing regional blood banks over the region from Red Deer to Grande Prairie, in Peace River and also in Dawson Creek, Fort St. John, Fort Nelson, BC, and in Yellowknife, NWT. A pioneer in immunohematology, Dr. Buchanan taught first as a sessional instructor in 1949 and the early 1950s and later as Assistant Professor in the Department of Pathology, University of Alberta. He is well known for his work on rare blood groups and is much respected by his peers in the provincial, national and international medical profession."

#### *Geraldine Farmer*

"In 1960 Dr. Farmer organized the first full-time program in Business Education for teachers

at The University of Alberta. The founder and first President of the Canadian Association of Business Education Teachers, she has also served as Director of the Business Education Council for the Alberta Teachers Association and as Chairman of the Northern Alberta Institute of Technology Advisory Board for Secretarial Technology. As consultant, lecturer, speaker and workshop director in Alberta and across Canada as well as in the United States; as author and co-author of several textbooks used in schools and colleges in Canada, Dr. Farmer has made valuable contributions to the status of Business Education."

*Frank Elliott*

"Outstanding in the field of Internal Medicine, Dr. Elliott has served humanity and his profession for over thirty years. As Clinical Professor of Medicine at The University of Alberta, he has taught generations of medical students. He is an honored Fellow of the College of Physicians and Surgeons of Alberta; the Royal College of Physicians and Surgeons; the Mayo Foundation for Medical Education and Research; Fellow and Life Member of the American College of Physicians and Surgeons; and

was invested at Buckingham Palace by the Queen as a Member of the Royal Society of Health in 1969. In 1978 Dr. Elliott received a special award from The University of Alberta which names him Distinguished Clinical Professor. This honor, held by only one living holder at a time, is awarded for meritorious teaching of medical students and exemplary care of patients."

*Harry Gunning*

"In 1957, Dr. Gunning became Professor and Head of the Department of Chemistry at The University of Alberta and began to build a chemistry department where none had existed and which has since become recognized as one of the best in Canada. He was appointed President of The University of Alberta in 1974. Over the years he has published over 139 research papers in various scientific journals on photochemistry, kinetics, free radical chemistry, isotope separation, spectroscopy and thermodynamics. Dr. Gunning has served as member of the Advisory Committee of the National Research Council and the American Association for the Advancement of Science, President of the Chemical Institute of Canada, and Chairman of the Advisory Committee on Chemical Research for the Defence Research Board. In recognition of his many contributions to science and education, Dr. Gunning was named a member [Officer] of the Order of Canada in 1979."

*David Green*

"As founder, Executive member and President of the Alberta Potters' Association, Alberta representative to the Canadian Crafts Council and Western representative to the Canadian Guild of Potters, Mr. Green has made a major contribution to the encouragement and promotion of the art of pottery in the province. He has worked to establish the Alberta Multi-Media Crafts Communication Council and was instrumental in the organization of the Alberta Ceramics Sym-

posium from 1975 to 1977.

Mr. Green has instructed at the Banff Centre, The University of Alberta, and Edmonton Public School Extension Services. He constantly researches information on clays, equipment, glaze materials, tools and technical data which are all of great value to Alberta potters."

*William Lakey*

"Chief of the Department of Urology at the University Hospital and Director of the Renal Transplantation Unit, Dr. Lakey is a world-recognized surgeon and researcher for kidney transplants. He founded the Western Canadian Kidney Transplantation Unit and has served as President of the Canadian Urological Association and Director of the Alberta Kidney Foundation. Dr. Lakey has contributed articles for international journals, has written medical textbooks and has pioneered in a new era of hope for kidney patients. His distinguished work in Alberta has gained for him an international reputation which enhances Canada's work in this important field."

*Karl Lesins*

"Through the dedicated efforts of Dr. Lesins, The University of Alberta has acquired a unique genetic resource—the *Medicago* seed collection. This is the most complete collection in the world, including 60 different species and 3,000 accessions—the result of eight expeditions to the Mediterranean countries and by interchange with foreign institutions. Dr. Lesins has devoted his lifetime to the studies of the species in the collection, clarifying their genetic relationships essential for the future of alfalfa breeding. He has written over fifty articles and a book *The Genus Medicago*, and is acknowledged as the foremost authority in the taxonomy, cytogenetics, and evolution of the genus."

*Raymond Lemieux*

"An organic chemist of world renown, Dr. Lemieux is also an inventor and industrialist. He has

lectured throughout Canada, in the United States and Europe and has published over 165 articles. With The University of Alberta's Department of Chemistry since 1961, Dr. Lemieux is credited with twenty-seven patents, mainly related to antibiotics, especially semi-synthetic penicillin and cephalosporins. He was named Officer of the Order of Canada in 1968 in recognition of his significant contributions to science. Founder, President and Research Director of R & L Molecular Research Ltd., Raylo Chemical Ltd. and Chembiomed Ltd., Dr. Lemieux is a member of the Canadian Society of the Weizmann Institute of Science and the National Research Council of Canada."

*Thomas Nelson*

"Head of the Department of Psychology at The University of Alberta, Dr. Nelson has applied his skills in a number of areas. He has published over 100 articles during the past twenty-five years in professional journals in Europe, Asia, Canada and the United States on a variety of topics such as space perception, philosophy of science and time awareness. To assist persons suffering from a reading disability such as visual dyslexia, Dr. Nelson has developed a new alphabetic system. He has developed and patented a traffic marking method and has designed a new school bus marker. As technical consultant for the Canadian division of the International Standards Commission, he has made four films which are shown in Canada, Europe and the United States. Dr. Nelson is in great demand as a speaker and has addressed many national and international meetings."

*Karel Puffer*

"During the formative years of the Alberta Association of Engineering Technologists, Dr. Puffer played a key role in establishing the organization which was made a society in 1963. Its aims are to engage in and foster programs to enhance the prestige of the engineering technician and technologist. He has dedicated his energy and expertise to the development

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of certification procedures and has been Chairman of the Certification Board for eight years. Dr. Puffer also made a significant contribution as a member of the Continuing Education Committee and as Chairman of two teams established in both Civil and Electronics fields of technology which are currently investigating the possibility of accreditation in certification procedures."

#### *W. Allison Saunders*

"Contributing to the field of Education in a timely and effective manner, Mr. Saunders was instructor, Head of the Department of Aeronautics and Vice-Principal of the Southern Alberta Institute of Technology from 1946 to 1953; and Principal and President of the Northern Alberta Institute of Technology from 1962 to 1971 during the important period of planning, construction, staffing, equipment and course development. Under the auspices of the Canadian International Development Agency, he played a major role in the building of the Zambia Institute of Technology and several trade schools and was Chairman of the Kenya Technical Teachers College Evaluation Team. Mr. Saunders has also served as President of the Association of Professional Engineers, Geologists and Geophysicists of Alberta; member of the Senate of The University of Alberta; and President of the Technical Institute of Administrators of Canada."

#### *John Semple*

"Professor of Physiotherapy at The University of Alberta, Mr. Semple has been extremely active as an executive member of the Association of Physiotherapists of Alberta and the Canadian Physiotherapy Association. For 11 years he has been Examiner for the Canadian National Registration Examinations and has been Examiner and Instructor by invitation in the West Indies, Nigeria, and the United States. Recognized as an expert in his field, Mr. Semple serves as consultant to numerous hospitals, nursing homes, and centres for the handicapped and has lectured in

Canada and abroad. Deeply aware of the specific needs of disabled persons, he has worked to improve programs combining physical therapy and recreation at local, provincial, national and international levels."

#### *Kenneth Thomson*

"For over thirty years Dr. Thomson has served society and his profession with distinction in many ways. In addition to his private practice, he has taught at The University of Alberta as Clinical Professor of Neurology and of Medicine, and served for many years as Chairman of the Medical Advisory Board. He has also been active as a member and as President of both provincial and national Medical Associations; Chairman of the Eugenics Board of Alberta; Chairman of the Canadian Forces Medical Council, which is an advisory body to the Minister of National Defence; and for twenty years has been Director of the Alberta Juvenile Rheumatoid Arthritis Clinics. In 1978, Dr. Thomson was awarded the Canadian Medical Association Medal of Service which has been conferred on only eight physicians in the twenty years since it was established to recognize exceptional contributions."

#### *Norman Yates*

"With sincere conviction and quiet efficiency, Mr. Yates has devoted his energies to art in the province. Over the years he has been Alberta representative and President of the Canadian Society for Education through Art; Director of the Fine Arts Gallery at The University of Alberta; and a member of the Board of Governors of the Canadian Conference of the Arts. Serving the Alberta Art Foundation as Board member and as Chairman, he was the chief organizer of the 1979 Art Exhibition to Japan. A gifted artist, Mr. Yates has shown his work in over twenty-five group exhibitions and over thirty one-man exhibitions across Canada, the United States and Europe. His paintings appear in public collections at the National Gallery of Canada, the Canada Art Bank, the Con-

federation Centre of the Arts as well as in Alberta galleries. Mr. Yates was honoured with the Canada Council Senior Arts Award in 1967 and again in 1975."

#### *Performance Awards*

*Patricia McMillan* who gained first place in the floor exercise event at the CIAU Gymnastics Championships in March.

*The Panda Gymnastics Team*, which gained first place at the CIAU meet in March. (Carol Brinkhurst, Peggy Bureaud, Janice Denver, Sandra Farley, Kathy Mattock, Patricia McMillan, and Coach Sandy O'Brien.)

*Golden Bear Hockey Team*, which gained first place in the CIAU Hockey Championships in December 1978 and first place in the Pacific Rim International Hockey Tournament in March. (Mike Bachunski, Dave Breakwell, Mike Broadfoot, Jim Causgrove, John Devaney, Randy Gregg, Chris

Helland, Dave Hindmarch, Jim Lomas, Ted Olson, Ted Poplawski, Larry Riggin, Bruce Rolin, Dale Ross, Nick Sanza, Gregg Skoreyko, Don Spring, Barrie Stafford, Stan Swales, Darrel Zaparniuk. Managers Steve Knowels, Ron Mattison, Coaches Clare Drake, Peter Esdale, Bill Moores.)

*Darius Young*, who became Overall National Pistol Champion in free pistol, rapid fire pistol, centre fire and standard pistol events at the Canadian Pistol Championships in August.

*John Primrose*, who gained a gold medal in international style trapshooting at the Canadian Trapshooting Championships in May and who was a member of the bronze medal Canadian team at the Pan American Games in August.

*Stephen Badger*, who gained gold medals in the 400m and 1500m freestyle at the CIAU Swimming Championships in March. □

## Heart Foundation Ski-A-Thon

On 19 January 1980 at the Banff Springs Hotel, the Alberta Heart Foundation intends to hold its fifth annual "Ski-A-Thon." In previous years, this annual event has drawn a good response from members of our University community, offering as it does a pleasant break in the mountains combined with a feeling that someone will benefit from your fun. Your participation will directly assist medical researchers in Alberta in their continuing fight against heart disease and stroke.

Participants who submit a pledge card (with pledges on it) will be eligible for a special room rate at the Banff Springs Hotel of \$25 a night (double occupancy). This rate applies to either or both evenings 18 and 19 January.

Activities proposed include, on the evening of 18 January, a Ski film, fitness testing, a blood pressure clinic, and, above all,

a good time. The facilities in the hotel include a sauna, swimming pool, a games room, and opportunity for ice skating.

The next evening, 19 January, there will be a dinner dance with live entertainment. Dress will be casual and tickets are \$10 per person. Babysitting facilities will also be available.

The "Ski-A-Thon" itself will begin at 11 a.m. on 19 January at the Banff Springs Hotel Golf Course. The length involved is four miles. It should be emphasized that the event is intended to be non-competitive and will be an enjoyable experience for all members of the family.

Hotel reservations may be made by telephoning 762-2211 (Banff). For more information about the weekend and for pledge cards, please telephone, as soon as possible, Rachel Poznansky at 482-6321. □

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# colloquy

*Editor's note: Colloquy was inaugurated in October 1978 by President Gunning to allow members of the University community the opportunity of expressing ideas or concerns, or of presenting information that may be of interest to colleagues and associates. Use of this space is available to all, but the publication of submissions cannot be guaranteed. Submissions must be less than 1,000 words, typed, double-spaced and signed. (A line length of 35 characters is preferred.) Submissions will not be returned. The opinions expressed in Colloquy do not necessarily reflect University policy.*

The statements made by the Vice-President (Planning and Development) before the City's Utilities and Engineering Committee on Tuesday, 4 December, concerning the southern extension of the LRT were ill-conceived and indicated an attitude which can bring nothing but hostility towards the University from the citizens of Edmonton.

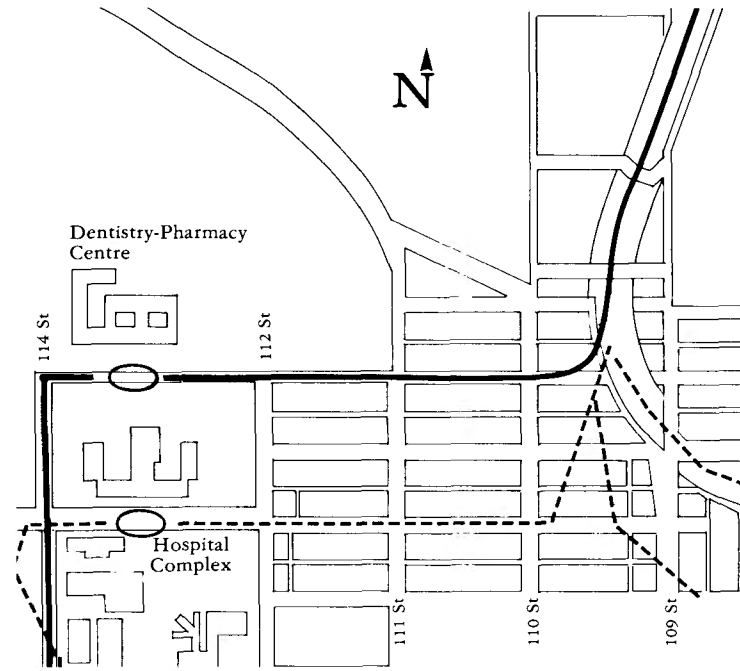
Whether or not the proposed University line is above or below ground is something that will obviously require a lot of careful thought. However, to stand up and say "you build it underground or else . . ." and then in no way justify the basis for such a statement constitutes a monstrous outburst of ill-informed opinion.

Mr. Phillips claims a surface line would add to already congested pedestrian and vehicular traffic. The point is that a surface line with consequent *reduction* in the required number of bus routes serving the University, would *reduce* traffic, noise and air pollution. At present, every 15 minutes or so a "fleet" of buses draws up on both sides of 89 Avenue, engines running, diesel fumes pouring out. An electric LRT line would involve vehicles that run as quietly as a diesel bus, but which are totally silent and exhaust-free when stationary. Moreover, since they run on rails, their path is totally predictable and, in fact, the overall effect would be to better discipline both vehicular and pedestrian traffic.

I am not saying that the line *must* be on the surface, but after having witnessed how taxpayers' money was squandered in the "beautification" of the area in the vicinity of the Administration building and University Hall over the summer, I object very strongly to the remarks made by the Vice-President (Planning and Development) which more or less state, without any justification, that the taxpayers fork out an additional \$47.6 million if they want the LRT to the University.

So much for attempts in recent years to make the University more community-minded. Any progress made in this respect has simply been flushed down the tunnel by Tuesday's tactless remarks.

Dr. J. Anthony Kernahan  
Associate Professor of Physics



## Light Rail Transit

*In the matter of the south corridor light rail transit functional design study*

*And in the matter of a public hearing to be held by the Utilities and Engineering Committee of the City of Edmonton in Council Chambers, City Hall, 4 December 1979 at 2 p.m. o'clock.*

*Written Submission of The University of Alberta*

1. The University of Alberta approves and endorses the concept of public transit continuing to furnish an increasing proportion of University of Alberta students'/staff'/visitors' transportation needs. It supports the southerly extension of the Light Rail Transit system as a most attractive and effective component of the public transportation service.
2. Light Rail Transit routing should include major population centres such as the Central Business District and the Greater Campus Area on a main line in *any* southerly extension.
3. No Light Rail Transit service will be allowed through the campus area unless it is totally underground. (Reasons for this position are attached as Appendix A.)
4. The University of Alberta is prepared to negotiate at the convenience of the City of Edmonton for sub-surface rights through University land for Light Rail Transit purposes on an easement basis, with the University maintaining surface and air rights for future development.

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## APPENDIX A

*Some of the reasons for the position taken by The University of Alberta that Light Rail Transit service through the campus area should be underground are:*

1. The University is and will continue to be a major daytime population centre in the City of Edmonton and as such and for the same reasons it should be serviced in a manner similar to other major high density city areas, e.g., downtown business district.
2. The University Campus is essentially a pedestrian area, i.e., a student and staff population approaching 30,000 (full-time and part-time) move from building to building for changes of classes on an hourly basis, crisscrossing the campus in every direction, including the crossing of 89 and 87 Avenues particularly between 111 and 116 Streets. This does not include very substantial and increasing traffic generated by other components of the Greater Campus Area extending southerly to University Avenue including the Health Sciences Centre, Jubilee Auditorium, The Research Council of Alberta, the Aberhart Memorial Hospital, The Veterans' Auxiliary Hospital and the Cross Cancer Institute, as well as adjacent commercial and residential facilities.
3. As a pedestrian campus, parking is provided on the perimeter and the only point of intrusion to permit maximum use of city transit buses and drop-off car traffic is limited to 89 Avenue via 112 and 114 Streets (with the exception of emergency, supply and service vehicles).
4. The congestion of traffic, both pedestrian and vehicular, on 89 Avenue between 112 and 114 Streets and on 87 Avenue between 111 and 116 Streets approaches being intolerable and is difficult to control. The added congestion of surface Light Rail Transit on either of these avenues would be unacceptable.
5. Underground routing would eliminate the pollution factors of noise and unacceptable visual aesthetics (poles, barriers and railway hardware).
6. Additional advantages of an underground routing are: (a) increased safety for both pedestrian and vehicular traffic; (b) greater convenience and less congestion of surface traffic by permitting passengers to emerge to grade level at the point closest to their destination; (c) speedier and more reliable service of Light Rail Transit; (d) speedier and more reliable service of Edmonton Transit System because of lack of congestion; (e) greater general acceptance of LRT and an increasing volume of users, thus adding to the financial viability of the system; (f) less restriction on future campus development and no loss of building sites because of right-of-way; and (g) lesser cost for University land and as a consequence greater viability of the operation of the system.
7. The University of Alberta's surface and underground utility installations have made provision for underground LRT on 87 Avenue and 114 Street as a dedicated route in accordance with earlier city planning for Light Rail Transit through the campus. (See the *Rapid Transit Feasibility Study—University Line*, January, 1971, prepared for the City of Edmonton and The University of Alberta.) □

Presented on behalf of  
The University of Alberta  
by  
R.E. Phillips, PEng  
Vice-President (Planning & Development)  
The University of Alberta

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## Board of Governors

*The regular monthly meeting of the University's Governors was held on Friday, 7 December. The following matters were among those discussed.*

### *Light Rail Transit*

On the recommendation of its Building Committee, the Board was asked to approve as University policy a submission concerning Light Rail Transit through the campus, which was presented to the City of Edmonton's Utilities and Engineering Committee on 4 December by Vice-President (Planning and Development) R.E. Phillips. In making that presentation, Mr. Phillips acted with the authority of the Board Building Committee. (The submission is presented for *Folio* readers on this page.)

After some discussion, Board members were virtually unanimous in their support of a policy standing against a surface LRT route through campus. The effects of a surface route were discussed, and it was pointed out that the impact on the University (essentially dividing the campus in half) would certainly be deleterious. For example, in one of the City's planning documents, a surface station is provided for directly in front of the Dentistry Pharmacy Building. The impact of such a station and the accompanying railway lines and overhead impedimenta was envisioned to be enormous.

In addition, notwithstanding the close liaison University administrators have had with City of Edmonton officials for many months—the most recent being a meeting of President Horowitz and the appropriate City Commissioner on 6 December, some criticism of the City of Edmonton's planning was made last Friday. The City, it was suggested, had only recently started to view the University campus as a community and, within the relevant planning documents and impact studies circulated to date, gave no

indication that the University's integrity as a community had been given serious consideration.

With reference to the putative difference in cost between a surface alignment and a more expensive underground route, over \$40 million according to City of Edmonton figures, Mr. Phillips said that, to his knowledge, the City had not considered the value of the University land over which a surface LRT would operate. The land to the east of the campus, as far as 110 Street, is land which has been acquired by the University at considerable expense and, furthermore, is the only area of University property which allows for expansion of the campus at some future date. While not suggesting that the University would ask for the market value of such land in the event that it approved a surface LRT route, Mr. Phillips was of the opinion that the value of the land and its cost to the University should have been considered when city officials prepared the documents comparing the costs of the alternative routes.

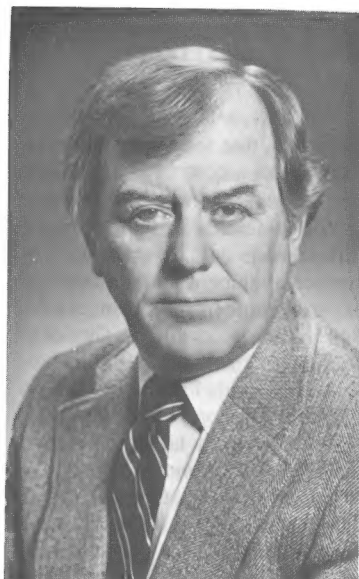
Mr. Phillips made the point clearly that the University and the city might have no choice in the ultimate selection of a surface or underground route. Should negotiations between the City of Edmonton and Canadian Pacific fail to provide the High Level Bridge for the southern LRT line, it is certain that the City will be obliged to adopt an underground route.

### *Appointments*

The Academic Concerns Committee reported that it had approved the appointment of two new department Chairmen: R.J. Crawford to Chemistry and R.G. Ironside to Geography.

Dr. Crawford had been acting Chairman of the department since July of this year. His official term of chairmanship began 19 November and extends to 30 June 1984.

A native of Edmonton, Dr.



R.J. Crawford

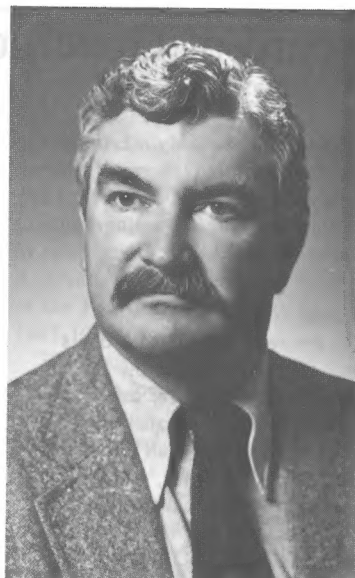
Crawford obtained his undergraduate and graduate degrees from The University of Alberta. He received his doctorate in physical/organic chemistry from the University of Illinois in 1956.

Dr. Crawford joined the University of Alberta's Chemistry Department that year and has been Chairman of the organic chemistry division of the Chemical Institute of Canada (1962), chairman of the Edmonton section of that chapter (1965), and Chairman of the University's organic chemistry division (1975). He took a leave of absence in 1971 to act as a Visiting Professor in Chemistry at the University of Southampton in England.

Dr. Crawford holds memberships in the Chemical Institute of Canada, the Chemical Society of London, the American Association for the Advancement of Science, and the American Chemical Society. He is also a member of the University's Board of Governors and sits on its Building and Community Relations Committees.

Dr. Crawford succeeds Dr. W.E. Harris who will return to active teaching duties in the department.

Dr. Ironside, whose appointment will run from 1 July 1980



R.G. Ironside

to 30 June 1985, has a Bachelor of Arts degree (geography and economics) and a Doctor of Philosophy degree (geography) from King's College at the University of Durham, England.

He became a member of the Department of Geography in 1963 and has been with the department since that time with the exception of 1975-76 when he was Visiting Professor at the University of Newcastle-upon-Tyne.

Dr. Ironside has been associated with a number of provincial government and University committees and was co-organizer of the International Geographical Union held in Montreal in 1972.

From 1974 to 1978 he was a member of the advisory Board of Directors of the Boreal Institute for Northern Studies at The University of Alberta.

Dr. Ironside is the author of publications on private development in national parks and resource development and potential in northern Alberta and is currently writing a book on regional development.

He will replace Dr. I.A. Campbell who intends to take a sabbatical leave prior to his return to teaching in the department. Dr. Campbell will also conduct

research work with the province's Department of the Environment.

### *Continuing English Program and Hire-A-Student Receive Grants*

The Board of Governors approved the allocation of grants to two separate programs on the recommendation of its Finance Committee.

The Continuing English Program sponsored by the Faculty of Extension will receive up to \$10,000 per year for three years beginning in 1980-81. The money is given on the understanding that a review of the program will take place during the second year of funding.

The program was established in 1978-79 under the aegis of the Faculties of Arts and Education to provide a continuing means of professional development for teachers of English. Courses were organized during the summers of 1978 and 1979 and the winter of 1978-79. A total of 225 English teachers from across the province have participated in the program.

The grant will enable the program's organizers to expand the course offerings, both in and out of Edmonton.

The Edmonton Hire-A-Student Society will receive \$1,200 from the Board to facilitate its activities in 1980. Hire-A-Student's purpose is to coordinate and stimulate job opportunities for secondary and post-secondary students in the metropolitan Edmonton area.

### *President Nominated to Medical Research Foundation*

On Friday, 7 December, Dr. Myer Horowitz was nominated to one of nine positions on the Alberta Heritage Foundation for Medical Research.

The Medical Research Act was passed during the last session of the Legislative Assembly. Provision is made for a nominee of the Board of Governors.

Dr. Horowitz said that during the first year or two it will be very important to emphasize that

the total University and not just its Faculty of Medicine is involved.

The goals of the foundation include the establishment and support of a balanced long-term program of medical research based in Alberta and the application of new knowledge toward the improvement of health and the quality of health services in Alberta.

The foundation will also support medical research laboratories and related facilities in Alberta and encourage young Albertans to pursue careers in research in medical sciences.

The nine trustees of the foundation will be appointed by the Lieutenant-Governor in Council.

### *Orientation Day*

Varsity Guest Weekend at The University of Alberta has given way to University Orientation Day, and the event is scheduled for 28 February 1980 beginning at 9 a.m.

The proposed schedule, as presented at Friday's meeting of the Board by Assistant Registrar W.A.D. Burns, is made up of a general introduction and overview in the Northern Alberta Jubilee Auditorium, presentations by Faculties to pre-registered visitors from selected high schools and displays by interested campus groups in various buildings including the Students' Union Building and the Physical Education Complex.

Portions of the Lister Hall Complex and other residence facilities will also be open for inspection during the day.

The University anticipates about 3,500 visitors and is proceeding with detailed planning.

In preparation for pre-registration, posters, orientation timetables and registration forms will soon be sent to all schools taking part.

University Orientation Day is being structured by the Board's Committee on Community Relations and the Office of the Registrar in cooperation with a representative group of school counsellors and teachers. □



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## Training Centre for Physically Disabled Athletes

The latter years of this decade have seen a profusion of athletic competitions and general fitness activities in which physically disabled people can participate on a regular basis. Unfortunately this growth has outdistanced the compilation and dispersion of technical information on training techniques and schedules. The Faculty of Physical Education and Recreation in cooperation with the Paralympic Sports Association is striving to align pure training with an informed, sensible approach to that training. The mechanism for doing so is the Paralympic Sports Association Training Centre For Physically Disabled Athletes.

In operation in W1-67 of the Physical Education Complex since 1 September 1978, the fully equipped and supervised facility provides a comprehensive evaluation program and prescription

service for physically disabled people interested in their present fitness, lifestyle and nutritional status.

Between seventy-five and one hundred individuals, a number of them members of the Canadian team which will compete in the 1980 Olympic Games for the Physically Disabled, are training at the Centre. Patients at auxiliary hospitals are present during weekdays while athletes who specialize in such sports as cross-country skiing, wheelchair basketball, track and field, swimming, archery and weightlifting go through their training paces in the evenings and on weekends.

Prior to the initiation of workouts, an individual is given a series of tests which include measurement of the percentage of body fat, maximum oxygen intake, the strength and endurance of muscle groups, and blood and

temperature regulation analyses. All data are then explained in objective terms by Director Robert Steadward.

A training program which emphasizes resistance exercise is frequently recommended and, if the individual wishes, an ongoing analysis is carried out.

For the serious athlete, a 16mm analysis projector with slow speed and still projection capabilities is used to extract relevant data.

Upper extremity Nautilus machines are used by those who want to improve their muscular strength and endurance through weight training. The Centre also has an isokinetic dynamometer which gives accurate information on the functional capability of key body joints and muscle groups and an orthotron exercise system which provides isokinetic resistive exercise to the muscu-

lature being used.

Stationary exercise rollers for wheelchair athletes, mini-gyms, heart rate monitors, and a color video camera, recorder, TV and auxiliary equipment are also available.

Dr. Steadward says that the Centre has come in for a good deal of praise from those who visit it and that inquiries are being received from physically disabled athletes and their coaches in Canada and the United States.

He has conducted workshops on the establishment of training centres for the disabled (the one here owes its start to grants from the Paralympic Sports Association, the 1977 National Games for the Physically Disabled, and the 3AU Fund) and will present a paper at the First International Medical Congress on Sports for the Disabled in Norway in January. □

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## National Debating Tournament: Call for Judges

On 11 and 12 January 1980 The University of Alberta Debating Society will host the 1980 Canadian University Society for Inter-Collegiate Debate (CUSID) National Tournament. Our University's Debating Society is very pleased at being the first institution outside the province of Ontario to act as a host for the national competition.

This year the CUSID tournament's theme will be "Provincial Rights in the Context of a Changing Canadian Confederation." It is expected that some eighty debaters will take part in the tournament from universities all across the country. There will be two rounds of debate on the prepared resolution that "This House believes that only a stronger central government can

save Canadian Confederation." In addition to this, there will be four rounds of extemporaneous debate on general philosophical and literary topics. All debates will be conducted in "two-man Parliamentary" style.

The President of The University of Alberta Debating Society and 1980 CUSID Tournament Director, Norman Ingram, invites members of the University community, who are accustomed to formal debate, to act as judges for the tournament. Judges will be required on the evening of Friday, 11 January, from 7 p.m. to 9:30 p.m., and on the morning and afternoon of Saturday, 12 January, from 9 a.m. to 12:30 p.m. and from 1:30 p.m. to 5 p.m. All debates, with the exception of the Final Round,

will take place in the Henry Marshall Tory Building. The Final Round will be held in Convocation Hall.

People who wish to act as judges should contact Mr. Ingram at 455-6067 or Miss Joanne Stiles, the Assistant Tournament Director, at 436-8685. Written communications should be addressed to Box 147, Students' Union Building, The University of Alberta, Edmonton T6G 2J7.

An added incentive: those who will act as judges are invited to an Opening Wine and Cheese Party. The party's host will be President Horowitz and the event will take place in The Faculty Club from 6:30 p.m. Thursday, 10 January. □

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## Santa Needed: Contributions for Families at Christmas Time

There are several student families on campus (especially single parent families) who are financially unable to meet the expectations of their children this Christmas. Basic living expenses can barely be met, let alone the special expenses of the Christmas season. It is hard for young children to understand why there will be no gifts for them this Christmas.

The Office of Student Affairs would like to appeal to the campus community to assist with contributions of clothing, toys, money, etc., to be distributed among these students and thereby brighten the season for their children. All donations will be gratefully accepted in Room 225 Athabasca Hall. □

## One Man's Mountains

Photographs by Joe Weiss, mountaineer, guide, and photographer in Jasper National Park from 1926 to 1965 are the subject of an exhibition currently on display in the University Art Gallery.

The photographs, which will be exhibited until 20 January 1980, record the world of Joe Weiss, his mountains, with great sensitivity. Moreover, they provide a valuable record of some of the recent history of the mountains.

This coming Sunday, there will be a formal opening to the exhibition at which the noted photographer and outdoorsman will be present. A catalogue to the exhibition, *One Man's Mountains—Joe Weiss in Jasper*, has been prepared by the Curator

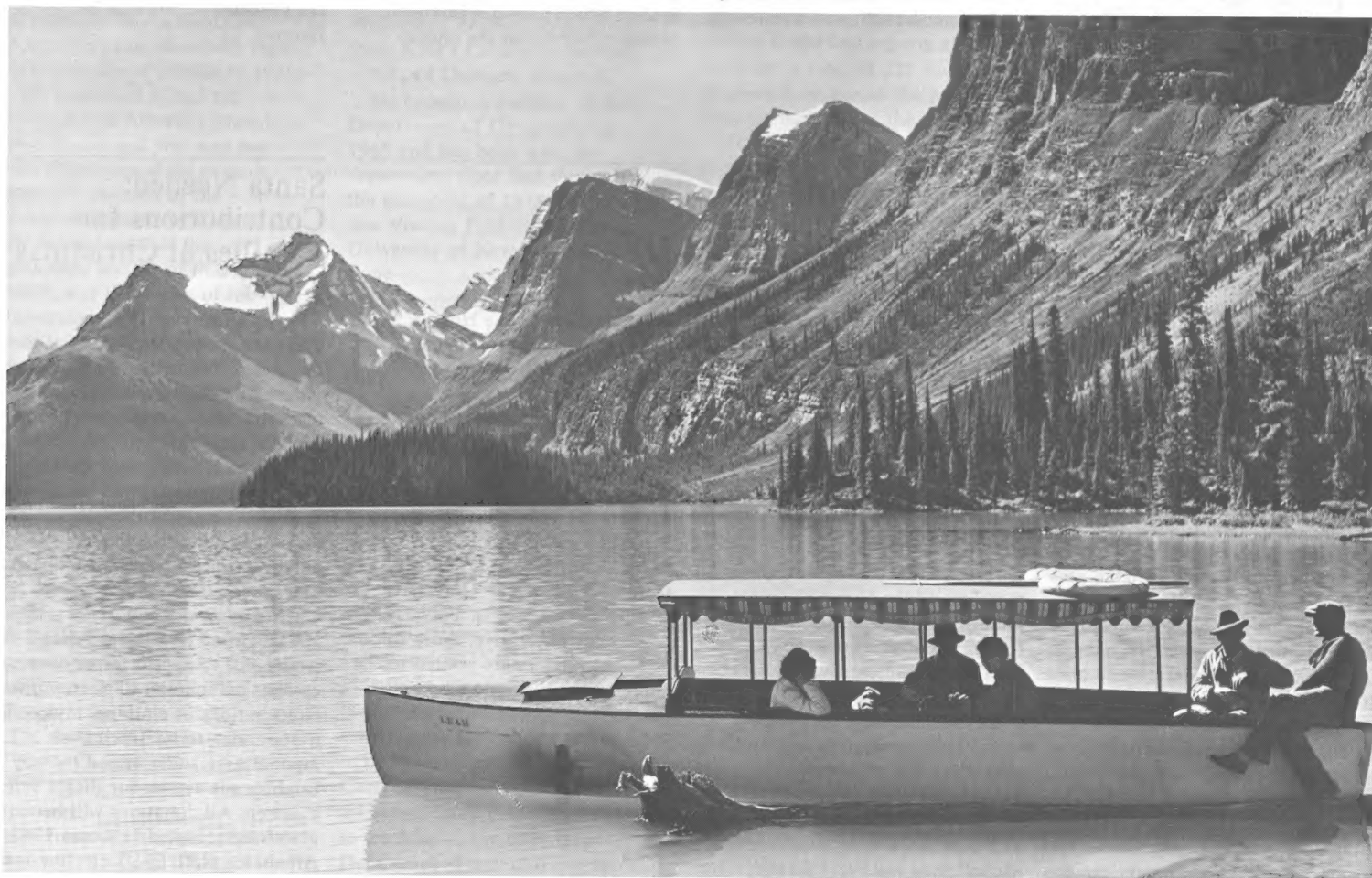
Helen Collinson.

The exhibition was organized by the University Collections of The University of Alberta and is funded by the Alma Mater Fund in celebration of the Seventy-fifth Anniversary of the establishment of the Province of Alberta, 1905-1980.

The University Art Gallery and Museum is located to the south of The Faculty Club off Saskatchewan Drive and east of 116 Street. The Gallery is open from 11 a.m. to 4 p.m. weekdays (on Thursday it remains open until 9 p.m.) On Sundays, the Gallery's hours are from 2 p.m. to 5 p.m. For more information concerning this exhibition of superb photographs, please telephone Marian Butler at 432-5834. □



Above "Mount Unwin," below "a boat tour on Maligne Lake"  
by Joe Weiss





## FOLIO and the Festive Season

Members of the University community and the general public are reminded that *Folio* will not appear on Thursday, 27 December 1979. There will, however, be an issue published on 3 January 1980.

Given the closure of the University buildings during the festive season, it is therefore most important that contributors who wish announcements and advertisements to be placed in the 3 January edition adhere to the following deadlines:

"Coming Events," "Notices," and other service information listings should be received by the Office of Community Relations no later than 9 a.m. Thursday, 20 December 1979.

Advertisements should be submitted no later than 3 p.m. Thursday, 20 December 1979.

*Folio* regrets the inconvenience that may be caused by these deadlines and asks for its readers' forbearance. □

Science, until 30 June 1980, on a research project investigating flexible packaging of perishable foods.

### people

*Einer Boberg*, Department of Speech Pathology and Audiology, has received a grant of almost \$54,000 from the Medical Services Research Foundation. The grant will be used to support a 2½ year study aimed at developing a treatment program for young children who stutter.

*David Hunt* and *John King-Farlow* of the Department of Philosophy co-authored a paper on *The Fall* for the 1979 Northwest Conference on Philosophy at Corvallis, Oregon. Recently Dr. King-Farlow was an invited speaker at the Eighth International Conference on the Unity of Science, held in Los Angeles.

*Chin Lam Lin*, Lecturer and Chairman of the Food Science and Technology Program with the Science University of Malaysia, has been appointed as a Visiting Professor with the Department of Food Science. Dr. Lin will be working with Dr. B. Ooraikul, Assistant Professor in Food

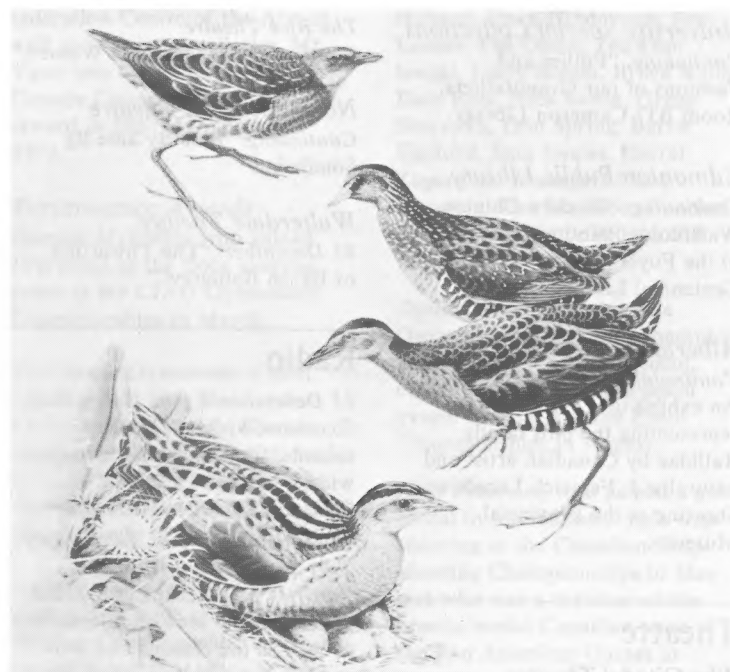
### coming events

#### Music

*Department of Music*  
13 December. 8 p.m. Chamber Music Recital, Convocation Hall. Tickets available from the Music Office, 3-82 Fine Arts, and at the door.

16 December. 8 p.m. The University of Alberta Percussion Ensemble with Brian Jones Director. Convocation Hall. Tickets available at the Music Office, 3-82 Fine Arts, and at the door.

*Edmonton Symphony*  
14 and 15 December. Boris Brott and violinist Eugene Fodor will appear with the symphony.  
21 and 22 December. 8 p.m. Mitch Miller will be joined by the



Rallidae by J. Fenwick Lansdowne on display at the Provincial Museum

Richard Eaton Singers and National Ballet performers, Veronica Tennant and Tomas Schramek.  
Tickets available at The Bay, HUB, Farlie Mohawk and West Den.

#### Films

*National Film Theatre*  
13 and 14 December. 7:30 and 9 p.m. Marilyn Monroe double feature, "Niagara" and "Bus Stop."

16 December. 8 p.m. "The Misfits" with Marilyn Monroe.  
19 and 20 December. 7:30 and 9:15 p.m. Marilyn Monroe double feature "Seven Year Itch" and "Let's Make Love."  
Showing in the Citadel's Zeidler Hall. Tickets \$2.75, \$2 for students, and \$1 for children.

*Provincial Museum*  
15 December. 2 p.m. "Lassie Come Home."  
16 December. 4 and 7 p.m. "Return of the Pink Panther."  
19 December. 7 p.m. "\$ Dollars." Free admission.

#### Lectures and Seminars

*Department of Biochemistry*  
13 December. 4 p.m. Dr. Shmuel Shaltiel of the Weizmann Institute of Science in Rehovot, Israel, will talk about "Camp-dependent Protein Kinase-studies on the Structure, Function and Bioregulation." 227 Medical Sciences.

*Department of Mathematics*  
13 December. Dr. R. Warfield of the University of Washington, Seattle, will be guest speaker.

*Amnesty International*  
13 December. 8 p.m. Professor Hank Lewis of Anthropology will speak on the Philippines. Room 165, Education South.

#### Exhibitions

*Edmonton Art Gallery*  
Until 16 December. "Alberta Clay Sculpture."  
Until 16 December. "Alan Reynolds."  
Continuing. "Bryan Chubb."  
Continuing. "Pictures of a Floating World."

*University Special Collections*  
Continuing. "Follies and  
Fashions of our Grandfathers."  
Room B37 Cameron Library.

*Edmonton Public Library*  
Continuing. "Modern Chinese  
Watercolor Paintings." Showing  
in the Foyer Gallery of the  
Centennial Library.

*Alberta Culture*  
Continuing. "Rails of the World."  
An exhibit of 42 watercolors  
representing the bird family  
Rallidae by Canadian artist and  
naturalist J. Fenwick Lansdowne.  
Showing at the Provincial  
Museum.

## Theatre

*The Citadel Theatre*  
*The Shoctor Theatre*  
12 December. "The Trials of  
Oscar Wilde."

*The Rice Theatre*  
Continuing. "The Trojan Women."

*Northern Light Theatre*  
Continuing. "Side By Side By  
Sondheim."

*Walterdale Theatre*  
21 December. "The Thwarting  
of Baron Bolligrew."

## Radio

13 December. 7 p.m. Extensions:  
Extension by Mail. Books,  
records, films and other Province-  
wide services.

CKUA (580 AM, 95 FM)  
14 December. 7 p.m. Legal Maze:  
Tort Law or Civil Wrongs—  
Part III. This week, Legal Maze  
deals with the area of defamation,  
as well as the reasons and pro-  
cedures for initiating a law suit.  
Guests include J. Williams,  
E. Picard and P. Lister.  
CKUA (580 AM, 95 FM)

15 December. *University Concert*  
*Hall: Stage Bands*. This week,  
University Concert Hall's guest  
is Dr. F. Pier in conversation and  
performance.  
CKUA (580 AM, 95 FM)

16 December. *Idealog: Africa—*  
*Part III*. This week, Idealog  
looks at Africa and the reason  
behind much of the unrest—  
tribalism. Guests include, H.  
Barclay, R. McKown, and R.  
Groberman.  
CKXM (100.3 FM)

19 December. 8 p.m. *Dimensions:*  
*"This Century."* Fourth program  
in a 10 part series on this Century.  
CKXM (100.3 FM)

## service information

### Notices

**Booster Service**  
Booster service will be provided to  
holders of University parking permits  
who encounter battery trouble while  
parking on campus. This service will be  
available from 3 p.m. to 6 p.m. week-  
days when the temperature drops to  
—23 degrees Celsius (—10 degrees  
Fahrenheit) or colder. For service,  
telephone 432-4855.

### GFC Computer Facilities and Policy Committee

The GFC Nominating Committee is  
seeking nominations to fill a vacancy  
for a member of the academic staff  
to serve on the above committee.  
Would those who have nominations  
or who are interested in serving on the  
Computer Facilities and Policy Com-  
mittee please contact the Secretary of  
the Nominating Committee at 2-1  
University Hall, telephone 432-4715.  
It would be appreciated if a brief  
vita could accompany any nomination.

### Noon-hour French

Want to brush up on your spoken  
French? Try the noon-hour conversation  
French class being offered by the  
Faculty of Extension. This course is  
meant for those who are reasonably  
familiar with the grammar and  
reasonably confident in simple conver-  
sation. It is designed primarily for the  
University community and will use a  
small-group format with a qualified

instructor as a resource person.  
Each Tuesday and Friday from noon  
to 1 p.m., 29 January to 2 May 1980.  
Fee: \$45. For further information  
telephone 432-3033.

## Positions Vacant

### On-Campus

#### Non-Academic Positions

To obtain further information on the  
following positions, please contact  
Personnel Services and Staff Relations,  
third floor, SUB, telephone 432-5201.  
Please do not contact the department  
directly. Positions available as of  
7 December 1979.

Sales Clerk I (\$764.41-\$822.72)—  
Bookstore  
Office Services File Clerk (\$764.41-  
\$883.20)—Office of the Registrar  
Duplicating Operator I (\$764.41-\$883.20)  
—Law  
Clerk Typist II (\$764.41-\$912.91)—  
Surgical-Medical Research Institute  
Clerk Steno II (\$793.02-\$949.20)—  
Secondary Education; Boreal Institute;  
Extension  
Dental Assistant I (\$793.02-\$949.20)—  
Dental Clinical Sciences  
Clerk Typist III (\$849.11-\$1,021.79)—  
Pharmacy; Administrative Services  
(2 positions)  
Clerk Typist III (Part-time) (\$5.00/hour)  
—Student Affairs  
Data Entry Operator I (\$849.11-  
\$1,021.79)—Computing Services;  
Bookstore  
Data Entry Operator I/II (\$849.11-  
\$1,109.78)—Computing Services  
Clerk Steno III (\$883.20-\$1,065.78)—  
Geology; English; Philosophy;  
Secretariat; Educational Psychology;  
Mineral Engineering; Continuing  
Medical Education; Provincial  
Laboratory; University Occupational  
Health, Safety and Fire  
Programmable Typewriter Operator II  
(\$883.20-\$1,065.78)—Civil Engineering  
Admission Records Trainee/Coordi-  
nator (\$883.20-\$1,109.78)—Office  
of the Registrar  
Medical Steno (\$949.20-\$1,158.17)—  
Medicine (3 positions)  
Secretary (\$984.39-\$1,205.47)—Audio-  
visual Media Centre; Secretariat;  
Chemistry  
Administrative Clerk (\$984.39-\$1,205.47)  
—Geology; Extension—Educational  
Media  
Laboratory Assistant II (\$793.02-\$949.20)  
—Provincial Laboratory (2 positions)  
Laboratory Assistant III (\$883.20-  
\$1,065.78)—Medical Laboratory  
Science  
Computer Assistant II (\$912.91-\$1,109.78)  
—Computing Services  
Technician I (Part-time, Trust)  
(\$492.40-\$604.74)—Pharmacy and  
Pharmaceutical Sciences  
Storeman II (\$949.20-\$1,158.17)—Central  
Stores  
Assistant to the Buyer (\$949.20-  
\$1,158.17)—Bookstore  
Audio Visual Technician I (\$984.39-

# New Year's Eve Party

(for staff, faculty and friends)

Monday, 31 December  
8 p.m. 1979 to 2 a.m. 1980

#### Featuring:

Cash Bar, open at 8 p.m.  
Our famous food buffet from 8:30 to 10:30 p.m.  
Dancing to "Alberta Sound" from 9 p.m. to 2 a.m.  
Party favors for everyone.  
Tickets on sale at the Lister Front Desk  
44 Lister Hall, during regular office hours.  
Table reservations accepted at time of ticket purchase.  
Tickets must be picked up by 2 p.m.  
Friday, 28 December.

Tickets: \$15 single; \$30 couples

\$1,205.47)—Education Curriculum Laboratory  
 Food Service Worker IV (\$1,021.79-\$1,257.17)—Housing and Food Services  
 Computer Operator I (\$1,065.78-\$1,311.06)—Computing Services  
 Audio and Video Technician I/II (\$1,065.78-\$1,489.25)—Audiovisual Media Centre; Radio and Television  
 Publications Assistant II (\$1,109.78-\$1,367.16)—Entomology  
 Security Officer I (\$1,109.78-\$1,367.16)—Campus Security  
 Technician II (\$1,109.78-\$1,367.16)—Mineral Engineering; Oral Biology  
 Technologist I (\$1,109.78-\$1,367.16)—Surgery; Zoology (Trust, Term); Immunology (Trust)  
 Accounting Assistant (Audit) (\$1,257.17-\$1,556.33)—Internal Audit  
 Programmer/Analyst II (\$1,367.16-\$1,697.12)—Forest Science; R.S. McLaughlin Examinations and Research Centre  
 Programmer/Analyst II/III (\$1,367.16-\$2,021.59)—Administrative Systems  
 Technologist III (\$1,427.65-\$1,771.92)—Mineral Engineering  
 Biology Technologist III/IV (\$1,427.65-\$2,021.59)—Genetics  
 Machinist Technician III (\$1,489.25-\$1,850.00)—Technical Services  
 Programmer/Analyst III (\$1,623.42-\$2,021.59)—Administrative Systems; Chemical Engineering

*The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.*

Clerk Steno III (\$883.20-\$1,065.78)—Bibliographic Verification  
 Duplicating Operator II (\$912.91-\$1,109.78)—Library Support Services

## Off-Campus

### Coordinator

#### Refugee Sponsorship

Agency working with refugee sponsorship program requires a part-time administrator-coordinator with good organizational, human relations, and clerical skills, able to work independently. Afternoon and early evening office hours. Deadline for applications 20 December. Submit résumé to Box 11843, Edmonton, Alberta, T5J 3K9.

## Advertisements

*must reach the Editor by 3 p.m. on the Thursday prior to publication, which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and are accepted at the discretion of the Editor. We regret that no advertisements can be*

*taken over the telephone. For order forms or further information, telephone 432-2325.*

### Accommodations available

For sale—South Garneau. Two bedroom house in excellent condition, 1½ storeys. 1,300 sq. ft. Spacious living room and dining room. \$92,000. 439-2948.

For sale—Lovely executive style bungalow on secluded Riverbend Crescent. Main floor family room with fireplace. Three piece bath off master bedroom. Double attached garage. Air conditioned. Mortgage \$47,000 at 10¼%. Owner transferred. Call Faye Lund, Block Bros. Realty. 436-4240, 487-2422.

For sale—Two-storey in west end. Well designed floor plan, very spacious and beautiful. Fourth bedroom or den on main floor, outstanding ceramic tile in three baths. Double garage, room to park boat or trailer. Owner transferred. Excellent neighborhood. Call Faye Lund, Block Bros. Realty. 436-4240, 487-2422.

For sale—Lake front cottage, Pigeon Lake, electric heating, year round comfort. Buy now, avoid realtors' fees in spring. \$100,000. 436-3874.

For rent—Attractive, carpeted, furnished, bedroom and attached den. Available 20 December. \$95 monthly. 433-7207.

For sale—Attention professional personnel. New 2,050 sq. ft., two-storey home, walking distance to University. Unique floor plan. \$135,900. Vendor may carry first mortgage of \$75,000 at 14%. Call Karin Palutke 963-2656, Block Bros. 452-7950.

For sale—Extra large choice lot in Riverbend, suitable for architecturally designed, executive home. Call Barbara Allen, Spencer Real Estate. Bus. 436-5250, res. 434-0729.

For sale—Riverbend. Be the first to view this freshly painted immaculate, three bedroom, Alcan bungalow. Situated on a quiet street and surrounded by mature trees. Aluminum siding, underground sprinkler system and built in vacuum help to reduce maintenance on this fine property. Barbara Allen, Spencer Real Estate 436-5250, 434-0729.

Sublet—One bedroom apartment overlooking campus, completely furnished. 1 March to 30 July. Dates may be slightly adjustable. 432-3925 days, 433-1551 evenings.

For rent—Spacious, furnished, three-bedroom bungalow in Greenfields (36 Ave. and 118 St.) Available January to July, 1980. Excellent schools, active community, convenient services. 435-2398, 452-3042.

For rent—Two bedroom furnished apartment, Saskatchewan Drive, six month lease, January - June, \$370 monthly. Damage deposit \$200. 433-5444 after 6:30 p.m. weekdays.

For sale—Lansdowne. Super location, executive, Perry-built, two-storey, two open fireplaces, main floor laundry, three baths, spacious front

# FOLIO

## Display Advertising Rate Card

*Folio* is the official news publication of The University of Alberta. Published every Thursday throughout the year, it is written, edited, designed, and printed by a fully professional staff. It has a regular distribution of 8,200 of which 6,500 copies are circulated to teaching and support staff, to graduate students and to other interested persons on campus. The remaining 1,100 copies are sent to businesses and individuals off campus. An extended issue of *Folio* is printed four times annually to accommodate distribution to the Alumni. The edition run is 77,600 and the main distribution is in Edmonton and the vicinity (approximately 33,000). Regular distribution includes the campus (approximately 7,600), the remainder being distributed nationally and internationally.

### Size and rates

The basic unit size is 21 agate lines x 11 picas (1½" x 1¾"). The full page is divided into 22 such units, any combination of which is available at a cost of \$10 per unit. (minimum 2 units). Half page cost \$110. One column costs \$55. A professional/business card unit is available at a cost of \$20. There is a 40% discount for University departments. The rate per unit for the extended issue is \$25.

A 10% discount is offered for five or more insertions.

### Other specifications

Half-tones (100-line screen or less) are acceptable; no colour or bleeds. Camera-ready copy is necessary; there is a charge of 20c per word for typesetting, and \$5 for adjustment of design work.

### Deadlines

Deadline for submission is one week prior to publication (Thursday, 3 p.m.). Acceptance of advertisements and positioning are at the discretion of the editor.

For more information please telephone 432-2325 and ask about *Folio* display advertising, or write to:

*Folio* Display Advertising  
 Office of Community Relations  
 423 Athabasca Hall  
 The University of Alberta  
 Edmonton, Alberta  
 T6G 2E8

entry, large yard. Reina Proudfoot. Royal Trust. 435-4869, 436-2556.

For rent—Bright furnished one bedroom basement suite in Parkallen. \$180 monthly. 436-0697 after 5 p.m.

For sale—Mill Creek vintage home. Imagine an older home with country style kitchen, main floor family room, brick open fireplace and two full cedar washrooms. Just listed for \$84,500 with an assumable mortgage at 10½%. Spencer Real Estate. Sherry Belcourt. 452-4950, 483-7170.

For sale—Callingwood Place Phase II. Two and three bedroom, new condominium homes. For further information contact Barry McGugan 465-0574, 433-0125. Guaranty Trust Co. of Canada.

For rent—Belgravia. 3-4 bedrooms, trees, two fireplaces, two-car garage, five minutes to University. Partially furnished or unfurnished. Rent negotiable. Available 1 January. 434-1255.

For rent—Professional to lease or share new split level home in westend. Fireplace, private convenient access to Whitemud. Phone Shirley, 489-6695.

**Accommodations wanted**  
Furnished/unfurnished for senior faculty member arriving January 1980. Small house or large apartment permitting pets. Helen Madill 432-2067, 432-5990.

**Automobiles and others**  
1974 Dodge Coronet, blue, 47,000 miles. v.g. condition. \$2,500 o.n.o. 487-7016, 432-5510.  
Wanted older Datsun 510 or other Japanese car, working or not. 477-2908.  
75 BMW 530i, 4 speed, AM/FM stereo-cassette, 53,000 miles. \$8,600. Days 432-5439, evenings 483-9432.  
1971 VW. 411. Excellent condition. Offers. 487-5920 after 6 p.m.  
1973 Duster, 318, 3 speed standard floor shift. 66,000 miles. Offers. 462-1614.  
GMC 4 speed transmission, 1959. \$75.  
Toyota 1,200 cc motor w/automatic. \$100. Dodge half ton pickup, offers. 477-2908.  
1970 Austin, 1800 sedan. 40,000 miles. One owner. Asking \$800. 435-6513 evenings.

#### Goods for sale

High quality electronic piano. \$1,200. Full 88 notes. Dean 432-3796, 436-1879.

Jewelry sale—Exquisite antique and new. 10 kt. - 18 kt. Marian Centre Gift Shop. 10528 98 St. Entrance. Parking in rear. 10 a.m. - 4 p.m., Monday - Saturday. All donated items, proceeds to the poor.

Wanted old color portable TVs. Call 477-2908.

Sofa, chair gold. Reasonable condition. \$125. 462-1614.

For sale—Male and female cockatiels, approximately 2½ years old. 3x1' round cage on 1½' stand. \$100. 452-9713 after 6 p.m.

#### Services

Edmonton Yoseikan Karate Club:  
Call Sport Alberta 458-0440.

Experienced typist. Variety of type styles, symbols. Quality work.

10316-111 St., EDMONTON, tel. 428-8291, closed Mondays.

435-4407; 435-5006.

Expert typing—theses, etc. 455-0641.

Professional typing. 464-4887.

Experienced typist available. 462-3934.

Quality typing. 435-0404.

Singing lessons for young children. Studio near University. Edith-Mary Smith. 436-4780.

Shaklee food supplements, organic cleaner, skin care products. Phone Betty 434-6098.

Top quality typing, 455-6398.

Serendipity Shop. Excellent picture framing services, small antiques, Canadiana, unique gift items, pottery, 433-0388. 9860 90 Ave. Closed Mondays.

Will do typing at home, 15 years experience. 475-0096.

Experienced coder available January. Pegi Gunn-Graham. 467-3382.

Donnic Typing Services Ltd. Specializing in word processing. This system is excellent for theses, manuscripts, tables, mailing labels, repetitive originals. Several type styles available. This system also allows you to keep information on disks for future updates and editing changes. Floor 2, 10444 82 Avenue, 432-1419.

PDQ Word Processing Ltd. 15383 117 Avenue, Edmonton, Alberta. T5M 3X4.

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GENERAL INSURANCE, AUTO, FIRE, LIFE

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BUS. 437-6550

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